

## ABSTRACT

The present invention is directed to a method in a computer system for individualizing a heartbeat signal for use as a biometric marker. The invention is carried out by acquiring a plurality of electronic heartbeat signals from an individual in an electronic signal form. The signals are measured to obtain an actual measurement of a plurality of variable features of the electronic signals relating to the heartbeats. The measurements are mathematically analyzed to provide the probability of divergence of each actual measurement. Using the calculated probability of divergence, subsequently received waveform measurements are analyzed for authentication purposes.

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